

Attorney Docket No.: NMTI 1002-9

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on 16 January 2003

Amy Jonsson  
Amy Jonsson

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TC 1700

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application

Inventor(s): Christophe Pierrat

Appl. No.: 10/068,513

Confirm. No.: 3666

Filed: 06 February 2002

Title: **Phase Shift Masking for Complex Patterns With Proximity Adjustments**

Art Unit: 1756

Examiner: *Unassigned*

**Customer No. 30437**

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56**

Commissioner of Patents  
Washington, DC 20231

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

***Enclosed with this statement are the following:***

- ✓ Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.
- ✓ A copy of each cited document as required by 37 C.F.R. §1.98. Copies are not submitted of documents previously submitted by the applicant in a parent application from which benefit under 35 U.S.C. §120 is claimed, 37 C.F.R. §1.98(d)(1), with an information disclosure statement submitted in the parent application which complies with the Sept. 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c). If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual

designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

- **PTA Statement under 37 C.F.R. §704(d).** Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

***This statement should be considered because:***

✓ **37 C.F.R. §1.97(b).** This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:

- (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);  
-- OR --
- (2) It is being filed within 3 months of entry of a national stage;  
-- OR --
- (3) It is being filed before the mailing date of the first Office Action on the merits,  
-- OR --
- (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

— **37 C.F.R. §1.97(c).** Although it may not qualify under subsection (b), this statement qualifies under 37 C.F.R. §1.97, subsection (c) because:

- (1) It is being filed before the mailing date of a FINAL office action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first.

-- AND (check at least one of the following) --

- (1) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e).  
-- OR --  
— (2) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

— **37 C.F.R. §1.97(d).** Although it may not qualify under subsection (b) or (c), this statement qualifies under 37 C.F.R. §1.97, subsection (d) because:

- (1) It is being filed on or before payment of the issue fee;  
-- AND --
- (2) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e);  
-- AND --
- (3) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).


Application No. 10/068,513

☒ **Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

HAYNES BEFFEL & WOLFELD LLP

Date: 16 Jan 2003

By:   
Mark A. Haynes, Reg. No. 30,846

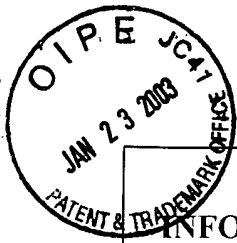
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PATENT & TRADEMARK OFFICE



<b>INFORMATION DISCLOSURE CITATION</b>  <b>PTO-1449</b>	<b>Atty. Docket No.</b> NMTI 1002-9	<b>Serial No.</b> 10/068,513	
	<b>Applicant</b> PIERRAT, Christophe	<b>RECEIVED</b> JAN 24 2003 <b>TC 1700</b>	
	<b>Filing Date</b> 2/6/2002		<b>Group</b> 1756

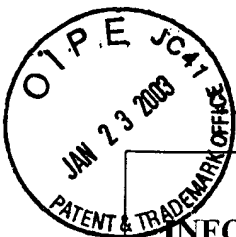
**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	6,420,074 B2	7/16/2002	Wang et al.	430	5	12/7/2000
	6,436,590 B2	8/20/2002	Wang, et al.	430	5	4/20/2001
	2002/0127479 A1	9/12/2002	Pierrat	430	5	2/6/2002
	2002/0129327 A1	9/12/2002	Pierrat, et al.	716	19	11/15/2001
	2002/0152454 A1	10/17/2002	Cote, et al.	716	21	6/7/2002
	2002/0155363 A1	10/24/2002	Cote, et al.	430	5	6/7/2002

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Date Considered: \_\_\_\_\_

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SHEET 2 of 2**INFORMATION DISCLOSURE  
CITATION****PTO-1449****Atty. Docket No.**

NMTI 1002-9

**Serial No.**

10/068,513

**Applicant**

PIERRAT, Christophe

**Filing Date**

2/6/2002

**Group**

1756

**RECEIVED**  
JAN 24 2003  
TC 1700**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER'S INITIALS	CITATION
	Cooke, M., "OPC/PSM Designs For Poly Gate Layers", European Semiconductor, Vol. 22, No. 7, pp. 57-59, July 2000.
	Granik, Y., et al., "Sub-Resolution Process Windows And Yield Estimation Technique Based On Detailed Full-Chip CD Simulation", SPIE, Vol. 4182, pp. 335-341 (2000).
	Plat, M., et al., "The Impact of Optical Enhancement Techniques on the Mask Error Enhancement Function (MEEF)", SPIE, Vol. 4000, pp. 206-214, March 1-3, 2000.
	Mansuripur, M., et al., "Projection Photolithography", Optics & Photonics News 11, 17 pages, February 2000.

EXAMINER: \_\_\_\_\_

Date Considered: \_\_\_\_\_

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.